121. An integrated information communication system according to Claim 119, wherein an IP telephone is connected with the integrated information communication system, and a digitalized telephone voice is transferred therein.

122. An integrated information communication system (ICS) comprising:

wherein an external ICS user frame having a unique ICS user address system ADX is converted into an inner ICS network frame having an ICS network address system ADS based on an administration of a conversion table in an access control apparatus,

the ICS network frame comprises a network control field and a network data field,

the network control field stores addresses according to the ICS network address system ADS and the network data field includes the ICS user frame,

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the ICS network frame is sent inside according to a rule of the ICS network address system ADS,

the ICS user frame is restored from the ICS network frame and is transferred to another external information communication equipment,

an internal address system is defined regardless of an external address system,

the ICS network address is assigned to an ICS logic terminal,

a receiving ICS network address is registered as a record in the conversion table so as to settle automatically when a group of an ICS logic terminal discriminating information, a sender ICS user address and a receiver ICS user address is determined, and

the ICS user frame is converted into the ICS network frame when it is found out that all of the ICS logic terminal inputted from the ICS user frame, the sender ICS user address in the ICS user frame and the receiver ICS user address are registered at the record in the conversion table.

123. An integrated information communication system according to Claim 122, wherein the ICS user frame stores a digitalized telephone voice.

124. An integrated information communication system according to Claim 122, wherein an IP telephone is connected with the integrated information communication system, and a digitalized telephone voice is transferred therein.

125. An integrated information communication system (ICS) comprising:

wherein a sender ICS user frame inputs from an ICS logic terminal at a terminating point of a user communication line, and an ICS network communication line which is an ICS network frame transferred between a transmitting access control apparatus and a receiving access control apparatus is settled when a group of an ICS logic terminal discriminating information of sending side and a receiver ICS user address in a sending ICS user frame is determined.

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126. An integrated information communication system according to Claim 125,wherein the ICS user frame stores a digitalized telephone voice.

127. An integrated information communication system (ICS) comprising:

wherein a sender ICS user frame inputs from an ICS logic terminal at a terminating point of a user communication line, and an ICS network communication line which is an ICS network frame transferred between a transmitting access control apparatus and a receiving access control apparatus is settled when a group of an ICS logic terminal discriminating information of sending side, a receiver ICS user address in a sending ICS user frame and a receiver ICS user address is determined.